

Parts List 10007121

Document Processing apparatus

Document processing module

Sheet feeder module 10

Input chassis or frame 20

Stack support surface 22

Sides - spaced walls 24, 26

Shaft mounting slot 28 in one side

Spring retainer 30 on one side

Shaft bushing aperture 32 in other side

Motor support plate 34 supporting motor 35 on other side defines drive gear housing containing motor swing (gear support) arm -not shown

Retard wall 36

Top of Form/Bottom of Form TOF/BOF sensor -not shown

Separation roller retard pad 38

Cork pad 40 engages pre-feed roller

Bogie Frame 50

Side members or plates 52, 54

Tail lever arm 56 on one side plate 54

Pre-feed roller clutch gear shaft mounting bearing slot 58 in sideplate

54

Cross piece 60

Bearing apertures 62, 64 for pre-feed roller support shaft

Bearing apertures 66, 68 for separation roller support shaft

Gear retainer 70

Pre-feed roller clutch gear shaft mounting slot in gear retainer

Spacing posts 74

Gear support bearing apertures/shafts

Fasteners 76

Pre-feed roller 80 & support shaft 81

Pre-feed roller drive gear 82 & drag spring 84

Separation roller 90

 axle 92, spaced bearings 94, 96

Separation roller drive gear 98

Intermediate gears 102, 104

Pre-feed roller clutch gear 110 (preferably elastomeric)

Stack damper 120 (optional) rotatable on pre-feed roller support shaft holds down sheets that work their way up the retard wall

Modular roller support and drive assembly 200

 Shaft 201

 Spring Arm 202

 Spring retainer 204

 Biasing member/tension spring 206

 Bogie support load arms 210, 212

 Support hubs 214 for stack stop link

 Stack stop guides 216

 Aligned apertures or bogie support slots - not seen in drawings

 Bogie latch 230 not seen

 Release button 232

 Spaced latch hooks 234 hold bogie separation roller support shaft in load arm slots

 Bogie latch spring 236

 Bogie lifting handle 240, spring 242 engages load arm 210

 Follower support post 246 (need drawing)

 Stack stop 250

 Stack Stop Link 252

Cutout 254 for bogie latch release button

Downwardly extending leg 256

Follower 260

Aperture 262 receives follower support post on load arm

Finger 264 or tang engages slot in rotary Geneva cam

First cam surface 266 (cylindrical) mates with bogie tail lever arm

Second cam surface 268 lifts/lowers stack stop

Third cam surface 270 engages bogie tail lever arm only when the single sheet feeder is not installed on the document processing device.

Pin 272 on follower received in pocket on swing arm which lifts follower in reverse

Swing arm 280

Spaced swing arm supports 284, 286

Automatic Direction Finding (ADF) gear drive including input gear assembly 290 having axially spaced gears 291 on opposite ends of sleeve 292, one engaged with clutch gear 294 engageable with separation roller drive gear between spaced supports

Drag spring 295 for clutch drive gear

Pocket 296 receives follower pin 272

Motion limit hook 300 engages protruding end of separation roller axle 92

Geneva cam 310 having aperture 312 in form of slot rotatably supported on shaft

Retainer 320 has cylindrical surface 322 that motor swing arm on motor support plate hits against for positioning to prevent over engagement of motor output and input gear 291

Split sleeve 330